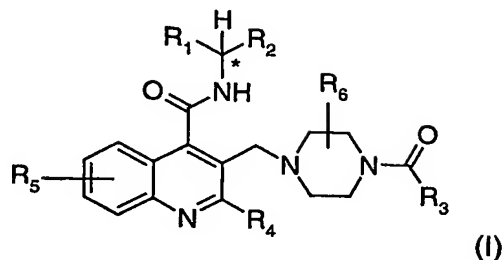


What is claimed is:

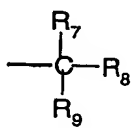
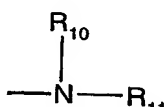
1. A compound according to formula (I)



wherein:

R<sub>1</sub> is H or (C<sub>1-6</sub>)alkyl;

R<sub>2</sub> is aryl, (C<sub>3-7</sub>)cycloalkyl, or heterocycle;

R<sub>3</sub> is , , O-R<sub>12</sub>, or S-R<sub>12</sub>;

R<sub>4</sub> is phenyl or heterocycle;

- 15 R<sub>5</sub> is H or up to three substituents independently selected from the list consisting of (C<sub>1-6</sub>)alkyl, (C<sub>2-6</sub>)alkenyl, aryl, alkoxy, or a hydroxylated derivative thereof, hydroxy, halogen, nitro, cyano, carboxy, alkylcarboxy, alkylcarboxyalkyl, haloalkyl, and amino or mono- or dialkylamino; or R<sub>5</sub> represents a bridging moiety which is arranged to bridge two adjacent ring atoms wherein the bridging moiety comprises alkyl or dioxyalkylene;

R<sub>6</sub> is absent or oxo;

R<sub>7</sub> is -OH or (C<sub>1-6</sub>)alkylOH;

- 25 R<sub>8</sub> and R<sub>9</sub> are each independently H, (C<sub>1-6</sub>)alkyl, (C<sub>3-7</sub>)cycloalkyl, aryl, or heterocycle;

R<sub>10</sub> and R<sub>11</sub> together with the N atom form a heterocycle ring which is substituted by -OH, or -(C<sub>1-6</sub>)alkylOH;

5 R<sub>12</sub> is H, (C<sub>1-6</sub>)alkyl, aryl, or heterocycle; or a pharmaceutically acceptable salt thereof.

2. A compound according to claim 1 wherein R<sub>1</sub> is methyl.
- 10 3. A compound according to claim 1 wherein R<sub>2</sub> is (C<sub>3-7</sub>)cycloalkyl.
4. A compound according to claim 1 wherein R<sub>4</sub> is 2- or 3-thiophene.
- 15 5. A compound according to claim 1 wherein R<sub>7</sub> is -OH or (C<sub>1-6</sub>)alkylOH unsubstituted or substituted by one to three halo groups.
6. A compound according to claim 1 wherein R<sub>9</sub> is H and R<sub>8</sub> is H, unsubstituted C<sub>(3-7)</sub>cycloalkyl, or (C<sub>1-6</sub>)alkyl unsubstituted or substituted by one to five substituents selected from the group consisting of halo and -OH.
- 20 7. A compound according to claim 1 wherein R<sub>10</sub> and R<sub>11</sub> together with the N atom form pyrrolidine substituted by -OH or -(C<sub>1-6</sub>)alkylOH or piperidine substituted by -OH or -(C<sub>1-6</sub>)alkylOH.
- 25 8. A compound according to claim 1 which is:  
3-[4-(2-Hydroxy-ethanoyl)-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;  
3-[4-((S)-2-Hydroxy-propanoyl)-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;  
30 3-[4-(2-Hydroxy-2-methyl-propanoyl)-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;  
35 3-[4-((S)-2-Hydroxy-3-methyl-butanoyl)-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;

- 3-[4-((S)-2-Cyclohexyl-2-hydroxy-ethanoyl)-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 5 3-[4-[1-((R)-2-Hydroxymethyl-pyrrolidin-1-yl)-methanoyl]-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 3-[4-[1-((S)-2-Hydroxymethyl-pyrrolidin-1-yl)-methanoyl]-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 10 3-[4-[1-(4-Hydroxy-piperidin-1-yl)-methanoyl]-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 2-Thiophen-2-yl-3-[4-(3,3,3-trifluoro-2-hydroxy-2-methyl-propanoyl)-piperazin-1-ylmethyl]-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 15 2-Thiophen-2-yl-3-[4-(3,3,3-trifluoro-2-hydroxy-propanoyl)-piperazin-1-ylmethyl]-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 20 2-Thiophen-2-yl-3-[4-(4,4,4-trifluoro-3-hydroxy-3-methyl-butanoyl)-piperazin-1-ylmethyl]-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide;
- 2-Thiophen-2-yl-3-[4-(4,4,4-trifluoro-3-hydroxy-butanoyl)-piperazin-1-ylmethyl]-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide; or
- 25 3-[4-((S)-2-Hydroxy-propanoyl)-2-oxo-piperazin-1-ylmethyl]-2-thiophen-2-yl-quinoline-4-carboxylic acid ((S)-1-cyclohexyl-ethyl)-amide; or a pharmaceutically acceptable salt thereof.
- 30 9. A pharmaceutical composition which comprises a compound according to claim 1 and a pharmaceutically acceptable carrier.
10. A method for the treatment of the Primary and Secondary conditions in mammals, particularly humans, which comprises administering to a subject in need of such treatment an effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof.
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11. A method for the treatment of respiratory diseases in mammals, which comprises administering, to a subject in need of such treatment, an effective amount of a compound according to formula (I) or a pharmaceutically acceptable salt thereof.